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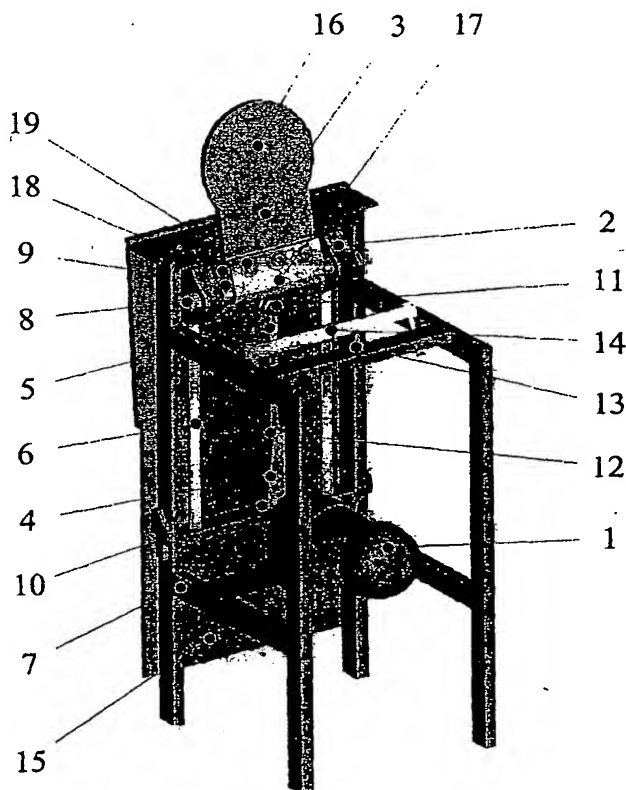
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[Continued on next page]

(54) Title: **TARGET SYSTEM**



(57) Abstract: A target system provided with a pop-up target, said system comprising a target (3) overturnable by an impact and an actuating mechanism for moving the target (3), said target being connected to the actuating mechanism by a pivot structure (8, 9), and said actuating mechanism comprising a lifter for lifting the target to an upright position and an electric motor (1) for moving the lifter. The actuating mechanism comprises a vertical rail system (6) and a carriage part (2) vertically movable along it by the electric motor, said pivot structure (8, 9) being arranged on said carriage part. The lifter is a supporting lifter device (13, 14), against which the target falls when hit and which, when the carriage (2) is lowered, lifts the target to an upright position substantially by utilizing the movement of the carriage and the inertia of the target.

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 03/00014

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F41J 7/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                  | Relevant to claim No. |
|-----------|---|-----------------------|
| X         | US 3064976 A (O.A. KUHN), 20 November 1962<br>(20.11.62), column 3, line 16 - line 47, figures 1-4<br>--            | 1-9                   |
| X         | US 1640954 A (C.J. MACH), 30 August 1927<br>(30.08.27), column 3, line 27 - line 52, figures 4, 5<br>--             | 1-9                   |
| X         | US 4979752 A (D. FOSSEEN), 25 December 1990<br>(25.12.90), column 2, line 58 - column 3, line 11, figures 5-8<br>-- | 1-9                   |

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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| Patent document<br>cited in search report |         |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---------|---|---------------------|----------------------------|---------------------|
| US  | 3064976 | A | 20/11/62            | NONE                       |                     |
| US  | 1640954 | A | 30/08/27            | NONE                       |                     |
| US  | 4979752 | A | 25/12/90            | NONE                       |                     |
| US  | 4732394 | A | 22/03/88            | NONE                       |                     |